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Notice of Allowability	Application No.	Applicant(s)
	10/651,526	SHIRAKAWABE ET AL.
	Examiner	Art Unit
	Rodney G. McDonald	1753
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communities. This application is sub-	his application. If not included ication will be mailed in due course. THIS
1. This communication is responsive to <u>Amendment filed 3-1</u>	<u>4-05</u> .	
2. The allowed claim(s) is/are 20-25 and 54-76.		
3. \boxtimes The drawings filed on <u>29 August 2003</u> are accepted by the	Examiner.	
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Horizontal Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	be been received. be been received in Application	No
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying Indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of the paper No./Mail Date	on's Patent Drawing Review (s Amendment / Comment or in 84(c)) should be written on the	the Office action of drawings in the front (not the back) of
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATER	RIAL must be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sum Paper No./Ma	ail Date
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 	8), 7. 🛛 Examiner's An	nendment/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Sta 9. □ Other	atement of Reasons for Allowance
. Diological Material	a. [1] Other	the hy If ha Bounded.
		RODNEY G. MCDONALD PRIMARY FXAMINER

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04)

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bruce Adams on May 24, 2005.

The application has been amended as follows:

Under the heading "Brief Description of the Drawings" on Page 7, line 17, replace "Fig. 5 is a view" with "Figs. 5A-5D are views".

Under the heading "Brief Description of the Drawings" on Page 7, line 24, replace "Fig. 7 is a view" with "Figs. 7A-7G are views".

Under the heading "Brief Description of the Drawings" on Page 8, line 15, replace "Fig. 10 is a view" with "Figs. 10A-10B are views".

The following is an examiner's statement of reasons for allowance:

Claims 20 and 22-25 are allowable over the prior art of record because the prior art of record does not teach the claimed subject matter of including forming a plurality of lead portions along the cantilever, and which terminate in a conductive shunt area at a distal end of the cantilever; and forming a plurality of electrodes at the conductive shunt area by sputtering or gas-assisted etching of the conductive shunt area using a focused charged particle beam.

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Claim 21 is allowable over the prior art of record because the prior art of record does not teach the claimed subject matter including forming a plurality of lead portions along the cantilever; and forming a plurality of electrodes at the distal end of the cantilever by irradiating the distal end of the cantilever with a focused charged particle beam while blowing a source gas toward the distal end.

Claims 54-70 are allowable over the prior art of record because the prior art of record does not teach the claimed subject matter including providing a cantilever having a distal end portion on which is formed a conductive film; and dividing the conductive film into a plurality of electrodes by sputter etching or gas-assisted etching of the conductive film using a focused charged particle beam thereby forming a multi-tip probe.

Claims 71-76 are allowable over the prior art of record because the prior art of record does not teach the claimed subject matter including providing a cantilever having a distal end portion; forming a plurality of conductive lead portions extending lengthwise along the cantilever; and forming a plurality of electrodes on the distal end of the cantilever and in contact with respective ones of the conductive lead portions by irradiating the distal end portion of the cantilever with a focused charged particle beam while directing a source gas toward the distal end portion thereby forming a multi-tip probe.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rodney G. McDonald whose telephone number is 571-272-1340. The examiner can normally be reached on M- Th with Every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X. Nguyen can be reached on 571-272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rodney G. McDonald Primary Examiner Page 4

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RM May 18, 2005